

L1 ANSWER 1 OF 1 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD

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TI Colloidal dispersible liq. formulation of sparingly soluble agent - contg. copolymer of vinyl-pyrrolidone and/or vinyl caprolactone, and surfactant, useful in plant protectants.

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PA (FARB) BAYER AG

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A colloidal dispersible liq. active agent formulation contains (A) a sparingly soluble active ingredient; (B) a copolymer of vinyl pyrrolidone and/or vinyl caprolactam and at least one hydrophobic comonomer which reduces the water solubility of the polymer; (C) one or more surfactants; and (D) opt. further additives; and/or (E) a diluent miscible with components (A), (B) or (C).

Pref. copolymer comprises vinylpyrrolidone units and vinyl ester units contg. 2-18C linear carboxylic acid gp..

USE - The vinyl pyrrolidone based copolymers can be used in formulations of sparingly water-soluble active ingredients which are opt. also sparingly soluble in a polar solvents. The formulations are esp. suitable for use in plant protection as herbicides, fungicides or pesticides.

ADVANTAGE - The formulations form homogeneous solns. or colloidal dispersions in aq. media which, in comparison to the conventional aq. active ingredient formulations have considerably greater stability, better application potential and are more effective, as a result of increased bioavailability of active ingredient.

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